

Product datasheet for **RN200719**

Nlgn1 (NM_053868) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nlgn1 (NM_053868) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nlgn1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200719 representing NM_053868
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCACTTCCCAGATGCATGTGGCCAAATATGTTTGGAGGCCATGATGGCATGTGTGGTCCACAGGG
 GATCGGGTGCCCCGTTGACTCTCTGCTTGTGGGATGTTTGTACAGACTTCCACGTACTCTCTCAAAA
 GTTGGATGATGTAGACCCATTGGTTACTACTAACTTTGGCAAAATAAGGGGAATTAAGAAAGAACTCAAT
 AATGAAATTTTGGGGCTGTCAATCAGTTTCTTGGGGTCCATATGCTGCTCCACCAACAGGAGAATC
 GATTTACGCTCCAGAACCACCTCTCCCTGGTCTGATATCCGGAATGCCACTCAGTTTGTCTGTATG
 TCCCCAGAATATCATTGATGGCAGATTGCCTGAAGTTATGCTTCTGTGTGGTCCACTAATAACTGGAT
 GTGGTTTCTCATATGTGCAAGACCAGAGTGAAGACTGTCTATACTTAAACATCTATGTCCCACTGAAG
 ATGTAAGAAAGAAATATCCAAGGAATGTGCCAGAAAACCCGGCAAGAAAATATGTAGAAAAGGAGATATTCG
 GGACAGTGGGGTCCCAAACAGTGATGGTGTACATCCATGGTGGCTTACATGGAAGGTACTGGAAAT
 CTATATGATGGGAGTGTGTTGGCAAGCTACGGTAAATGTGATCGTATCACAGTCAACTATCGGCTTGGGG
 TACTTGGCTTCTTGGACACAGGGGATCAGGCTGCCAAAGGAAACTACGGGCTCCTTGACCTCATCCAGGC
 CCTCAGATGGACCAGCGAGAACATTGGGTCTTTGGTGGTGACCCCTTGCGAATCACCGTGTGGGATCA
 GGCGTGGGGTTCATGTGTCAATCTGTGACTTTATCCATTATTCTGAAGGTAACCGTGGGAGCAATT
 CAACCAAGGACTTTTTCAACGAGCAATAGCTCAGAGTGGAAACAGCCCTTCCAGCTGGGCTGTTAGTTT
 CCAGCTGCAAAATACGCTAGAATTCTAGCCACAAAAGTTGGCTGCAATGTGTGAGTACAGTAGAGTTA
 GTAGAATGCCTGCAGAAGAAGCCTTACAAGAAGTTGTTGATCAAGATGTTCAACCAGCCGATACCACA
 TAGCCTTTGGACCTGTGATCGATGGTGTGTAATACCAGATGACCCTCAGATACTGATGGAAACAGGAGA
 GTTCTCAATTATGATATCATGTTAGGAGTTAACCAAGGGGAAGGTTGAAGTTGTGAAAACATAGTA
 GATAGTGTGATGGTGTATCAGCCAGTATTTGACTTTGCTGTCTCTAATTTTGTGATAATTTATATG
 GATATCTGAAGGCAAAGATGTTTTGAGAGAAACCATTAAATTCATGTATACTGACTGGGCTGATCGCCA
 TAATCCTGAAACTAGAAGGAAGACATTGTTGGCTTTGTTACAGACCATCAGTGGGTAGCACCCGCTGTG
 GCTACAGCAGACCTTCACTCGAAGTTGGCTCACCTACATACTTCTATGCCTTTTATCATCATTGCCAAA
 CAGACCAAGTCCAGCTTGGGCTGATGCAGCTCATGGGGATGAGGTTCCCTATGTATTGGGAATCCCAT
 GATTGGCCCTACAGAGTATTTCTTGAATTTCTCAAGAATGATGTGATGTTGAGTGTGTAGTAATG
 ACATACTGGACGAATTTGCTAAAACCGGTGACCCAAATCAACCAGTTCCTCAAGACACAAAATTCATTC
 ATACCAAAACCAACCGCTTTGAAGAAGTAGCATGGACCAGATATTCAGAAAGCAACTTTATCTCCA
 TATTGGATTAACCAAGAGTAAAGAACATTACAGAGCCAATAAGGTAATCTCTGGTTGGAGCTGGTA
 CCTCATCTGCATAATCTCAATGACATTTCTCAGTATACCTCGACAACAATAAGTGCCATCAACAGACA
 TCACTCTCAGACCTACAAGGAAAATCCACTCCAGTCACATCAGCCTTTCCACTGCCAAGCAGGATGA
 TCCCAAACAACAACCAAGTCCCTTCTCGGTAGATCAAAGGGACTACTCCACAGAGCTAAGTGTACAATC
 GCAGTGGGAGCCTCTCTGCTGTTTCTGAACATCTTGGCTTTTGCAGCCCTATACTACAAGAAAGACAAGA
 GGAGACATGATGTCCACCGGAGGTGCAGCCCTCAGCGCACCAACGACCTAACCCATGCTCCAGA
 AGAGGAAATTATGTCTCTCAAATGAAGCACACTGACTTGGATCAGAGTGTGAGTCCATCCATCCACAT
 GAGGTGGTCTTTCGGACCGCTGCCCCAGATTATACTCTTGCTATGAGGAGGTACCGGATGATGTTT
 CTTAATGACACCTAACCCATCACAATGATTCCAAACACTATACCAGGGATTCAGCCCTTACATACATT
 CAACACATTTACTGGAGGACAGAATAATACACTGCCCCACCCCACTCACCCCATTCACATTCAACA
 ACCAGGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053868
Insert Size: 2532 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_053868.2 , NP_446320.1
RefSeq Size:	3322 bp
RefSeq ORF:	2532 bp
Locus ID:	116647
UniProt ID:	Q62765
Cytogenetics:	2q24
Gene Summary:	transmembrane ligand for neuexins; involved in development and maturation of synaptic connections [RGD, Feb 2006]